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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/581,572	06/02/2006	Friedrich Lehr	2003CH006	6984
25255 CLARIANT CO	7590 12/05/200 DRPORATION	EXAMINER		
	AL PROPERTY DEPA	ELHILO, EISA B		
4000 MONROE ROAD CHARLOTTE, NC 28205			ART UNIT	PAPER NUMBER
			1796	
			MAIL DATE	DELIVERY MODE
			12/05/2008	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	Application No.	Applicant(s)	
	10/581,572	LEHR, FRIEDRICH	
Office Action Summary	Examiner	Art Unit	
	Eisa B. Elhilo	1796	
The MAILING DATE of this communication a Period for Reply	ppears on the cover sheet with th	e correspondence address	
A SHORTENED STATUTORY PERIOD FOR REF WHICHEVER IS LONGER, FROM THE MAILING - Extensions of time may be available under the provisions of 37 CFR after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory perion. - Failure to reply within the set or extended period for reply will, by stat Any reply received by the Office later than three months after the main earned patent term adjustment. See 37 CFR 1.704(b).	DATE OF THIS COMMUNICATI 1.136(a). In no event, however, may a reply be od will apply and will expire SIX (6) MONTHS fr ute, cause the application to become ABANDO	ON. The timely filed Tom the mailing date of this communication. The property of the communication of the communication. The property of the communication of the communication of the communication.	
Status			
1) ☐ Responsive to communication(s) filed on <u>02</u> 2a) ☐ This action is FINAL . 2b) ☐ The substitution of the process of the practice of the	nis action is non-final. vance except for formal matters,		
Disposition of Claims			
4) ☐ Claim(s) 1-17 is/are pending in the application 4a) Of the above claim(s) is/are withd 5) ☐ Claim(s) is/are allowed. 6) ☐ Claim(s) 1-17 is/are rejected. 7) ☐ Claim(s) is/are objected to. 8) ☐ Claim(s) are subject to restriction and Application Papers 9) ☐ The specification is objected to by the Exami	rawn from consideration. I/or election requirement. ner.		
10) The drawing(s) filed on is/are: a) a Applicant may not request that any objection to the Replacement drawing sheet(s) including the correct and the control of t	ne drawing(s) be held in abeyance. Section is required if the drawing(s) is	See 37 CFR 1.85(a). objected to. See 37 CFR 1.121(d).	
Priority under 35 U.S.C. § 119			
 12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority docume 2. Certified copies of the priority docume 3. Copies of the certified copies of the priority docume application from the International Bure * See the attached detailed Office action for a light content. 	ents have been received. ents have been received in Applic riority documents have been rece eau (PCT Rule 17.2(a)).	ation No ived in this National Stage	
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date	4) Interview Summ. Paper No(s)/Mai 5) Notice of Informa 6) Other:		

Claims 1-17 are pending in this application.

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1-2, 6, 9-12, 14 and 16 are rejected under 35 U.S.C. 102(b) as being anticipated by Moells et al. (DE 2508246 A).

Moells et al. (DE' 246 A) teaches a process for removing water-soluble ionic compound from aqueous solutions using ultra-filtration and wherein the ionic compound is Direct Blue 78 having a formula identical to the claimed formula (I) (see STIC Search Report at page 48, the abstract and page 49, the formula), when in the claimed formula (I), R5 represents -NH-C₆H₅, R6 represents a hydrogen atom, KK2 represents unsubstituted naphthylene, KK1 represents naphthylene substituted with SO₃H group and DK represents a phenyl group substituted with SO₃H radical as claimed in claims 1-2, 9 and 14. The aqueous solution also comprises compounds of water-soluble salt carrying a charge opposite to that of the ionic dye as claimed in claim 6 (see English abstract of the Patent DE 2508246 A), wherein the aqueous composition further comprises additional anionic dyes of Acid Blue 117 and Acid Blue 40 as claimed in claims 10-12 (see page 8 of the DE' 246 A), wherein the dyes are used in the textile as claimed in claim 16 (see STIC Search Report at page 48, the abstract). Molls et al. teaches all the limitations of the instant claims. Hence, Moells et al. anticipates the claims.

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Claim Rejections - 35 USC § 103

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 3-4 are rejected under 35 U.S.C. 103(a) as being unpatentable over Moells et al. (DE 2508246 A) in view of Misawa et al. (US 5,739,298).

The disclosure of Moells et al. (DE' 246 A) as described above, does not teach or disclose a process for removing water-soluble ionic compound from aqueous solutions using ultra-filtration and wherein the ionic acid dye is Direct Blue 71 as claimed in claims 3-4.

However, (DE' 246 A) teaches and discloses the ionic acid dye Direct Blue 78 and other acid dyes (see page 8).

Misawa et al. (US' 298) in analogous art of water-soluble azo compounds, teaches the equivalence between Direct Blue 71 and Direct Blue 78 (see col. 8, line 64).

Therefore, in view of the teaching of the secondary reference, one having ordinary skill in the art would be motivated to modify the process of Moells et al. by utilizing Direct Blue 71 to arrive at the claimed invention because Moells et al. as a primary reference teaches a process utilizing Direct Blue 78. Misawa et al. as a secondary reference clearly teaches the equivalence between Direct Blue 71 and Direct Blue 78 and, thus, a person of the ordinary skill in the art would be motivated to utilize Direct Blue 71 as taught by Misawa et al. in the process of Moells et al. as an equivalent species and, would expect such a process to have similar properties to those claimed, absent unexpected results.

Claims 5, 7 and 8 are rejected under 35 U.S.C. 103(a) as being unpatentable over Moells et al. (DE 2508246 A) in view of Michna et al. (US 5,145,485).

The disclosure of Moells et al. (DE' 246 A) as described above, does not teach or disclose a process for removing water-soluble ionic compound from aqueous solutions using ultra-filtration wherein the dye solution is mixed with cationic alkanolamines or triethanolammonium compounds.

However, Moells et al. (DE' 246 A) teaches and suggests that the aqueous solution also comprises compounds of water-soluble salt carrying a charge opposite to that of the ionic dye (see English abstract of the Patent DE 2508246 A).

Michna et al. (US' 485) in analogous art of the preparation of stable dyestuff formulation, teaches a process comprising the addition trialkylammonium salt as a cationic compound as claimed in claims 7-8 (see col. 1, lines 49-52) and wherein the aqueous dye solution is maintaining at appropriate concentration (see col. 1, lines 40-45).

Therefore, in view of the teaching of the secondary reference, one having ordinary skill in the art at the time the invention was made would be motivated to utilize such a process by incorporating trialkylammonium salts as cationic compounds as taught by Michna et al. in the formulation of Moells et al. and to maintain the aqueous dye solution at appropriate concentration to arrive at the claimed invention because Moells et al. as a primary reference clearly teaches the addition of cationic compounds to the acid dyes. Michna et al. as a secondary reference clearly teaches and discloses the addition of trialkylammonium salts as claimed, and, thus, a person of the ordinary skill in the art would be motivated to incorporate these salts in the

aqueous dye solution at appropriate concentration and would expect such a process to have similar properties to those claimed, absent unexpected results.

4 Claims 13, 15 and 17 are rejected under 35 U.S.C. 103(a) as being unpatentable over Moells et al. (DE 2508246 A).

Moells et al. (DE' 246 A) teaches dyes that used in the textile (see STIC Search Report at page 48, the abstract).

The instant claims differ from the reference by reciting a method for dyeing fibrous materials (cellulosic textile) or wood.

However, it would have been obvious to one having ordinary skill in the art at the time the invention was made to utilize such a process for dyeing wood (cellulosic textile) to arrive at the claimed invention. Such a modification would have been obvious because the reference clearly teaches similar dyeing compounds that obtained with a similar processes and wherein the dyeing compounds are used in textile materials (see STIC Search Report at page 48, the abstract), and, thus, a person of the ordinary skill in the art would be motivated to utilize these dyes for dyeing textile materials such as cellulosic fibers (wood) and would expect such a process to have similar properties to those claimed, absent unexpected results.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Eisa B. Elhilo whose telephone number is (571) 272-1315. The examiner can normally be reached on M - F (8:00 -4:30).

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Pyon Harold can be reached on (571) 272-1498. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Eisa B Elhilo/ Primary Examiner, Art Unit 1796 December 4, 2008